



Joint for mine stowing discharge line - uses loose sleeve with lock for latch mechanism and locking groove other end

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 IPC Class: **E21F 15/08 ;**
 Derwent Classes: **Q49;**

Derwent Abstract

DERWENT RECORD

([DE3427248A](#)) The flanged connection between two pipe sections used for discharging stowing material in mining operations include a collar with a spherical surface on the pipe end, and an outer sleeve on the other pipe end, carrying a flange with a matching curved inner surface. These elements are clamped together by a locking system using swivel latches, the spherical surfaces permitting alignment of the sections to match curves.

The flanged connection between two pipe sections used for discharging stowing material in mining operations include a collar with a spherical surface on the pipe end, and an outer sleeve on the other pipe end, carrying a flange with a matching curved inner surface. These elements are clamped together by a locking system using swivel latches, the spherical surfaces permitting alignment of the sections to match curves.

The pipe section has a protective lining, and its thin outer wall carries a ring which locks inside a groove inside the outer sleeve, to retain it in position. The sleeve is stepped externally, forming a shoulder to form a stop surface for a bearing ring inside a loose collar interconnected with the latch mechanism.

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Family:

| Patent | Issued | DW Update | Pages | Language | IPC Class |
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| DE3427248A * | Feb. 06, 1986 | 198607 | 12 | German | E21F 15/08 |
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| | | BLASROHR ZUM AUSBLASEN VON VERSAT EINER VON MEHREREN, ABWINKELBAR |

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| DE 4003427248 | July 24, 1984 | ANEINAND ANGEFLANSCHTEN ROHREN BESTEHENDEN BLASVERSATZLEITUNG DE UNTERTAGEBETRIEBES |
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Title Terms: JOINT MINE STOW DISCHARGE LINE LOOSE SLEEVE LOCK COLLAR LATCH
MECHANISM LOCK GROOVE END



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